

	Cross Road in Muneshwara Temple to Govt School		1.00	25.00	3.00	0.10	7.50		
	Kempegowda road								
	Basic rate		1.00	185.00	4.75	0.10	87.88	5866.00	
	Area weightage 6%							351.96	
							323.45	6217.96	2011199.16
12	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(P.No.177, I.No.22.7 of PW, P&IWTD SR 2016-17)								
	Road Portion	Sqm							
	(kodigehallimn road to anjaneya temple)		1.00	165.00	5.70	--	940.50		
	Cross Road In Ram Mandir Road		1.00	45.00	4.45	--	200.25		
	Muneshwara Devastana to end		1.00	115.00	4.00	--	460.00		
	Muneshwara Devastana to Govt School road		1.00	170.00	4.00	--	680.00		
	Cross Road in Muneshwara Temple to Govt School		1.00	25.00	3.00	--	75.00		
	Kempegowda road		1.00	185.00	4.75	--	878.75		
	Basic rate							90.00	
	Area weightage 6%							5.40	
							3234.50	95.40	308571.30
								Sub Total	4899880.723
	Preperation of DPR And Project management Consultancy Charges(2% of estimated cost)								100000
	Miscellaneous and rounding off								119.28
	Total								5000000.00
	RUPEES FIFTY LAKHS ONLY								

Certificate.

- 1 The rates adopted based on the PWD SR, Bangalore circle for year 2016-17.
- 2 The provisions made in the estimate are necessary and essential.
- 3 The workspot was inspected and work is found to be necessary.
- 4 The area comes within the Bruhat Bangalore Mahanagara Palike limits.

Munish
TJOC

See
Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Chandrashekar
Executive Engineer
Byatarayanapura Division
Yalahanka Zone, B.B.M.P.
Bangalore-560092

Technical Sanction
Accorded For *RS.50.00 lacs only*
Head of A/C *P3156*
CER NO : *33* Dt: *29/18*

A
IA

See
TJOC

Edge line									
Basic rate	Sqm	2	2519.00	0.10	--	503.80			
Area weightage 6%							512.00		
							30.72		
						503.80	542.72	273422.34	
Preperation of DPR And Project management Consultancy Charges(2% of estimated cost)								200000	
Miscellaneous and rounding off								2661.63	
Total								10000000.00	
RUPEES ONE CRORE ONLY									

Certificate.

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M. Vin
P. K. 08

Day
Assistant Executive Engineer,
Kodigehalli Sub Division,
Yalahanka Zone, B.B.M.P.,
Bangalore.

Medhane
Executive Engineer
Byatarayanapura Division
Yalahanka Zone, B.B.M.P.
Bangalore-560092

Technical Sanction
Accorded For RS. 100.00 (as per only)
Head of A/C. P. 31.58
CER NO : 35 Dt: 29/01/18

TA
CE (YNR)

16	Cement concrete pavement Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30, with 25mm and down size graded granite metal coarse aggregates and fine aggregates, with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rakers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) ((P.No.177, I.No.22.6.1 of PW,P&IWD SR 2016-17)							
	Road Portion	Cum						
	13th Cross Perpendicular to 10th Cross		1.00	20.00	4.50	0.125	11.25	
	13th Cross Bhadrappa Layout		1.00	70.00	6.30	0.125	55.13	
	Church Street near Venitech Soln		1.00	40.00	5.00	0.125	25.00	
	10th Main Maruthinagar							
	10th A Cross		1.00	25.00	4.00	0.125	12.50	
	10th B Cross		1.00	25.00	4.00	0.125	12.50	
	10th C Cross		1.00	25.00	4.00	0.125	12.50	
	Basic rate							5866.00
	Area weightage 6%							351.96
							128.88	6217.96
								801339.60
17	Vaccum de-watering with vacuum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(P.No.177, I.No.22.7 of PW, P&IWD SR 2016-17)							
	Road Portion	Sqm						
	13th Cross Perpendicular to 10th Cross		1.00	20.00	4.50	--	90.00	
	13th Cross Bhadrappa Layout		1.00	70.00	6.30	--	441.00	
	Church Street near Venitech Soln		1.00	40.00	5.00	--	200.00	
	10th Main Maruthinagar							
	10th A Cross		1.00	25.00	4.00	--	100.00	
	10th B Cross		1.00	25.00	4.00	--	100.00	
	10th C Cross		1.00	25.00	6.00	--	150.00	
	Basic rate							90.00
	Area weightage 6%							5.40
							1081.00	95.40
								103127.40
								4898277.20
	Preperation of DPR And Project management Consultancy Charges(2% of estimated cost)							100000
	Miscellaneous and rounding off							1722.80
	Total							5000000.00
	RUPEES FIFTY LAKHS ONLY							

Certificate.

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Manjunath
P.H. 02

Key
Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Medave Gowda
Executive Engineer
Byatarayanapura Division
Yalahanka Zone, B.B.M.P.,
Bangalore-560092

Technical Sanction
Accorded For *RS 50.00 lakhs only*
Head of A/C. *P 3352*
CER NO. *37* Dt. *29/01/18*

IA *(YMK)*

Beside Little Wonders									
KM narayanappa layout cross road1		1	120.00	6.00	0.04	28.80			
KM narayanappa layout cross road2		1	110.00	5.20	0.04	22.88			
Amco layout 1st main(impact college opp)		1	115.00	5.30	0.04	24.38			
Basic rate		1	150.00	8.20	0.04	49.20			
Area weightage 6%							7659.00		
							459.54		
							182.46	8118.54	1481308.81
19 KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&IWTDR SR 2016-17)									
Edge line	Sqm	2	775.00	0.10	--	155.00			
Basic rate							512.00		
Area weightage 6%							30.72		
							155.00	542.72	84121.60
Sub Total								4899385.160	
Preperation of DPR And Project management Consultancy Charges(2% of estimated cost)								100000	
Miscellaneous and rounding off								614.84	
Total								5000000.00	
RUPEES FIFTY LAKHS ONLY									

Certificate.

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(Signature)

(Signature)
Assistant Executive Engineer,
 Kodigehalli Sub Division,
 Yelahanka Zone, B.B.M.P.,
 Bangalore.

(Signature)
Executive Engineer
 Byatarayanapura Division
 Yalahanka Zone, B.B.M.P.
 Bangalore-560002

Technical Sanction
 Accorded For *RS 50: wala chenu*
 Head of A/C. *P.3158*
 CER NO : *39* Dt: *29/01/18*

(Signature)
(Signature)

			1.00	9.00	1.40	--	12.60		
							36.36	4951.00	180018.36
Preperation of DPR And Project management Consultancy Charges(2% of estimated cost)								Sub Total	4898245.948
Miscellaneous and rounding off									100000
								Total	1754.05
									5000000.00
									RUPEES FIFTY LAKHS ONLY

Certificate.

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[Signature]

[Signature]

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

[Signature]

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore-560002

Technical Sanction
Accorded For **RS 50.00 lacs only**
Head of A/C **P3158**
CER NO : **40** Dt: **29/01/18**

[Signature]
TA **GE (YNIQ)**

16	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&IWD S.R 2016-17)								
	Road Portion	Cum							
	Cross Road 1								
	3rd cross Devinagar		1	47.00	5.00	0.04	9.40		
	2nd cross Lottegollahalli		1	105.00	5.20	0.04	21.84		
	Basic rate		1	115.00	5.70	0.04	26.22		
	Area weightage 6%							7659.00	
								459.54	
								57.46	8118.54
									466491.31
17	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&IWD SR 2016-17)								
	Edge line	Sqm	2	267.00	0.10	—	53.40		
	Basic rate							512.00	
	Area weightage 6%							30.72	
								53.40	542.72
									28981.25
	Sub Total							4899717.312	
	Preperation of DPR And Project management Consultancy Charges(2% of estimated cost)							100000	
	Miscellaneous and rounding off							282.69	
	Total							5000000.00	
	RUPEES FIFTY LAKHS ONLY								

Certificate.

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[Signature]
JES

[Signature]
Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

[Signature]
Executive Engineer
Byatarayanapura Division
Yalahanka Zone, B.B.M.P.
Bangalore-560092

Technical Sanction
Accorded For Rs. 50,00,000/- only
Head of A/C P3158
CER NO: 41 Dt: 29/01/18

[Signature]
TA
CE (YMK)

1stA main(20th b cross to 16th c/s								
COAL lyt								
1st cross		1	140.00	5.00	-	700.00		
Basic rate		1.00	50.00	6.00	-	300.00		
Area weightage 6%							12.00	
							0.72	
24	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&I WTD S.R 2016-17)					1630.00	12.72	20733.60
Road Portion	Cum							
1st main(20th b cross to 16th c/s		1	140.00	4.50	0.04	25.20		
COAL lyt		1	140.00	5.00	0.04	28.00		
1stA main(20th b cross to 16th c/s		1	140.00	5.00	0.04	28.00		
COAL lyt		1	140.00	5.00	0.04	28.00		
1st cross		1	50.00	6.00	0.04	12.00		
Basic rate							7659.00	
Area weightage 6%							459.54	
							65.20	8118.54
								529328.81
25	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&I WTD SR 2016-17)							
Edge line	Sqm	2	330.00	0.10	-	66.00		
Basic rate							512.00	
Area weightage 6%							30.72	
						66.00	542.72	35819.52
Sub Total							4898915.318	
Preperation of DPR And Project management Consultancy Charges(2% of estimated cost)							100000	
Miscellaneous and rounding off							1084.68	
Total							5000000.00	
RUPEES FIFTY LAKHS ONLY								

Certificate.

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[Signature]

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

[Signature]

[Signature]
Executive Engineer
Byatarayanapura Division
Yalahanka Zone, B.B.M.P.
Bangalore-560092

Technical Sanction
Accorded For *RS 50.00 lakhs only*
Head of A/C, *P3158*
CER NO : *42* Dt: *29/01/18*

[Signature]
TA

[Signature]
CS (YNK)

23	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects as per specifications. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No.163 of I.No.21.17.6 in PW,P&I WTD S.R 2016-17)								
	For Laying DBM	Cum							
	from 2nd cross ch 0-135								
	ch 140-190		1	135.00	16.30	0.05	110.03		
	Basic rate		1	50.00	16.30	0.05	40.75		
	Area weightage 6%							6717.00	
								403.02	
							150.78	7120.02	1073521.02
24	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&I WTD S.R 2016-17)								
	Dr Rajgopal road kodigehalli	Cum							
	from 2nd cross ch 0-135								
	ch 140-190		1	135.00	16.30	0.04	88.02		
	Basic rate		1	50.00	16.30	0.04	32.60		
	Area weightage 6%							7659.00	
								459.54	
							120.62	8118.54	979258.29
25	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&I WTD SR 2016-17)								
	Centre line	Sqm	0.5	185.00	0.15	--	13.88		
	Edge line	Sqm	2	185.00	0.15	--	55.50		
	Basic rate							512.00	
	Area weightage 6%							30.72	
							69.38	542.72	37651.20
	Sub Total							8819159.030	
	Preperation of DPR And Project management Consultancy Charges(2% of estimated cost)							180000	
	Miscellaneous and rounding off							840.97	
	Total							9000000.00	
	RUPEES NINETY LAKHS ONLY								

Certificate.

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[Signature]

[Signature]
Assistant Executive Engineer,
 Kodigehalli Sub Division,
 Yalahanka Zone, B.B.M.P.,
 Bangalore.

[Signature]
Executive Engineer
 Byatarayanapura Division
 Yalahanka Zone, B.B.M.P.
 Bangalore-560032

Technical Sanction
 Accorded For *Rs 90.00 lakhs only*
 Head of A/C *P3158*
 CER NO *43* Dt *29/01/18*

[Signature]
[Signature]

23	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No.163 of I.No.21.17.6 in PW,P&I WTD S.R 2016-17)								
	For Laying DBM	Cum							
	from 2nd cross ch 0-135								
	ch 140-190		1	135.00	16.30	0.05	110.03		
	Basic rate		1	50.00	16.30	0.05	40.75		
	Area weightage 6%							6717.00	
								403.02	
							150.78	7120.02	1073521.02
24	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&I WTD S.R 2016-17)								
	Dr Rajgopal road kodigehalli	Cum							
	from 2nd cross ch 0-135								
	ch 140-190		1	135.00	16.30	0.04	88.02		
	Basic rate		1	50.00	16.30	0.04	32.60		
	Area weightage 6%							7659.00	
								459.54	
							120.62	8118.54	979258.29
25	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&I WTD SR 2016-17)								
	Centre line	Sqm	0.5	185.00	0.15	--	13.88		
	Edge line	Sqm	2	185.00	0.15	--	55.50		
	Basic rate							512.00	
	Area weightage 6%							30.72	
							69.38	542.72	37651.20
	Sub Total							8819159.030	
	Preperation of DPR And Project management Consultancy Charges(2% of estimated cost)							180000	
	Miscellaneous and rounding off							840.97	
	Total							9000000.00	
	RUPEES NINETY LAKHS ONLY								

Certificate.

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[Signature]

[Signature]
Assistant Executive Engineer,
 Kodigehalli Sub Division,
 Yalahanka Zone, B.B.M.P.,
 Bangalore.

[Signature]
Executive Engineer
 Byatarayanapura Division
 Yalahanka Zone, B.B.M.P.
 Bangalore-560032

Technical Sanction
 Accorded For *Rs 90.00 lakhs only*
 Head of A/C *P3158*
 CER NO *43* Dt *29/01/18*

[Signature]
[Signature]

	2nd main 7'A cross road	Cum							
	2nd main 11 cross road	Cum	1	119.60	4.80	0.04	2.30		
	Basic rate		1	150.30	5.00	0.04	3.01		
	Area weightage 6%							7659.00	
	Total							459.54	
13	Providing Plastic to Bituminous concrete @ 8%						372.33	8118.54	3022759.92
	8% OF BC	Kg							
	Basic rate			0.08	372.33	117.00	3484.99		
	Area weightage 6%							27.00	
	Total							1.62	
14	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. (P.No.185-I.No.24.15)						3484.99	28.62	99740.42
	VIRUPAKSHAPU RA LAYOUT								
	1st cross (pole factory road)	Sqm	2	213.95	0.10		42.79		
	2nd cross (upto jeeva nadi villas)	Sqm	2	339.90	0.10		67.98		
	3rd cross	Sqm	2	213.40	0.10		42.68		
	4th cross	Sqm	2	234.30	0.10		46.86		
	SIR M.V LAYOUT								
	2nd main 3rd cross road	Sqm	2	287.90	0.10		57.58		
	2nd main 6th cross road	Sqm	2	127.60	0.10		25.52		
	2nd main 7'A cross road	Sqm	2	119.60	0.10		23.92		
	2nd main 11 cross road	Sqm	2	150.30	0.10		30.06		
	Basic rate							512.00	
	Area weightage 6%							30.72	
	Total						337.39	542.72	183108.30
	Sub Total								3913912.37
	Preperation of DPR And Project management Consultancy Charges(2% of estimated cost)								80000
	Miscellenious and rounding								6088
	TOTAL AMOUNT								4000000
	RUPEES FORTY LAKHS ONLY								

CERTIFICATE:

- 1) The work spot has been inspected and found to be necessary
- 2) The work spot comes under B.B.M.P
- 3) The provisions made in the estimate are necessary and minimum
- 4) The estimate is based on C.S.R of 2016-2017

[Signature]
AE

[Signature]
Executive Engineer
Byatarayanapura Division
B.B.M.P.

[Signature]
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Technical Sanction
Approved For Rs 40.00 Lacs only
Head of A/C P.3158
CER NO 44
29-01-18

3'C cross	Sqm							
3'D cross	Sqm	2	183.40	0.10		36.68		
3rd cross (shiva temple road)	Sqm	2	105.30	0.10		21.06		
3'A cross	Sqm	2	161.10	0.10		32.22		
UAS appartment main road, including all cross roads	Sqm	2	106.50	0.10		21.30		
1st cross (from dead end)	Sqm	2	201.50	0.10		40.30		
2nd cross	Sqm	2	44.00	0.10		8.80		
3rd cross	Sqm	2	33.00	0.10		6.60		
4th cross	Sqm	2	34.10	0.10		6.82		
5th cross	Sqm	2	33.22	0.10		6.64		
6th cross	Sqm	2	34.65	0.10		6.93		
	Sqm	2	31.90	0.10		6.38		
VMS garden 1st cross ('T' cross road)	Sqm	2	119.50	0.10		23.90		
T' shape road	Sqm	2	55.60	0.10		11.12		
THINDLU GKVK								
Ashwath katte road, Samudhaya bhavan road	Sqm	2	154.60	0.10		30.92		
BK LAYOUT	Sqm							
2nd cross	Sqm	2	120.10	0.10		24.02		
1st main road	Sqm	2	235.50	0.10		47.10		
Basic rate							512.00	
Area weightage 6%							30.72	
Total						385.12	542.72	209014.50
Sub Total							5876689.28	
Preperation of DPR And Project management Consultancy Charges(2% of estimated cost)								120000
Miscellenious and rounding								3311
TOTAL AMOUNT								6000000
RUPEES SIXTY LAKHS ONLY								

CERTIFICATE:

- 1) The work spot has been inspected and found to be necessary
- 2) The work spot comes under B.B.M.P
- 3) The provisions made in the estimate are necessary and minimum
- 4) The estimate is based on C.S.R of 2016-2017

[Signature]
AE

[Signature]
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

[Signature]
Executive Engineer
Byatarayanapura Division
Yalahanka Zone, B.B.M.P.
Bangalore-560002

12th main road (KS nursing road to Furtuna appartment)	Cum	1	150.90	5.00	0.04	3.02		
6th main road	Cum	1	131.40	5.40	0.04	2.84		
7'A cross	Cum	1	48.90	4.80	0.04	0.94		
8th cross	Cum	1	88.50	4.90	0.04	1.73		
9th main road (shivram rao road)	Cum	1	134.20	5.30	0.04	2.85		
Basic rate							7659.00	
Area weightage 6%							459.54	
Total								1483781.39
3 Providing Plastic to Bituminous concrete @ 8%								
8% OF BC	Kg		0.08	182.76	117.00	1710.68		
Basic rate							27.00	
Area weightage 6%							1.62	
Total								48959.56
14 KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. (P.No.185- I.No.24.15)								
CANARA BANK LAYOUT								
11'A main road (AN murthi rao road to junjevana appartment road)	Sqm	2	275.80	0.10		55.16		
12th main road (KS nursing road to Furtuna appartment)	Sqm	2	150.90	0.10		30.18		
6th main road	Sqm	2	131.40	0.10		26.28		
7'A cross	Sqm	2	48.90	0.10		9.78		
8th cross	Sqm	2	88.50	0.10		17.70		
9th main road (shivram rao road)	Sqm	2	134.20	0.10		26.84		
Basic rate							512.00	
Area weightage 6%							30.72	
Total								90058.96
							Sub Total	1953230
Preperation of DPR And Project management Consultancy Charges(2% of estimated cost)								40000
Miscellenious and rounding								6770
TOTAL AMOUNT								2000000
RUPEES TWENTY LAKHS ONLY								

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[Signature]
Assistant Executive Engineer
Vidyaranyapura Sub Division
RRMP Bangalore - 97

9th cross	Sqm	2	147.40	0.10				
8th cross	Sqm	2	150.70	0.10		29.48		
7th cross	Sqm	2	93.50	0.10		30.14		
1st main road	Sqm	2	66.11	0.10		18.70		
2nd main, 2nd cross road	Sqm	2	305.80	0.10		13.22		
2nd main 5'A cross road	Sqm	2	111.30	0.10		61.16		
Basic rate						22.26		
Area weightage 6%							512.00	
Total							30.72	
						434.58	542.72	235856.34
							Sub Total	4895103.33
							Preperation of DPR And Project management Consultancy Charges(2% of estimated cost)	100000
							Miscellenious and rounding	4897
							TOTAL AMOUNT	5000000
							RUPEES FIFTY LAKHS ONLY	

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[Signature]
AE

[Signature]
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

[Signature]
Executive Engineer
Byataranyapura Division
Yalahanka Zone, B.B.M.P.
Bangalore-560002

Technical Sanction
Accorded For Rs.50.00 lakhs only
Head of A/C P3158
CER NO : 47 Dt: 29/01/18

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TA

8th Road	Cum	1	338.80	6.00	0.04	81.31		
Profile correction & Pot Hole Filling	No.*(1/2)*Length*(20%*Width)*Depth							
KEMPEGOWDA NAGAR								
Kempegowda nagar main road to Tennis court	Cum	1	227.50	5.20	0.04	4.73		
IEHCS LAYOUT								
6th Main Road	Cum	1	353.05	5.60	0.04	7.91		
7th Main Road	Cum	1	218.60	5.20	0.04	4.55		
DEFENCE LAYOUT								
8th Road	Cum	1	338.80	6.00	0.04	8.13		
Basic rate							7659.00	
Area weightage 6%							459.54	
Total						278.50	8118.54	2261032.87
12	Providing Plastic to Bituminous concrete @ 8%							
8% OF BC	Kg		0.08	278.50	117.00	2606.78		
Basic rate							27.00	
Area weightage 6%							1.62	
Total						2606.78	28.62	74606.11
13	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. (P.No.185-I.No.24.15)							
KEMPEGOWDA NAGAR								
Kempegowda nagar main road to Tennis court	Sqm	2	227.50	0.10		45.50		
IEHCS LAYOUT								
6th Main Road	Sqm	2	353.05	0.10		70.61		
7th Main Road	Sqm	2	218.60	0.10		43.72		
DEFENCE LAYOUT								
8th Road	Sqm	2	338.80	0.10		67.76		
Basic rate							512.00	
Area weightage 6%							30.72	
Total						227.59	542.72	123517.64
Sub Total							2932953.35	
Preperation of DPR And Project management Consultancy Charges(2% of estimated cost)							60000	
Miscellenious and rounding							7047	
TOTAL AMOUNT							3000000	
RUPEES THIRTY LAKHS ONLY								

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 Assistant Executive Engineer
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 BBMP, Bangalore - 97

 Executive Engineer
 Vidyaranyapura Division
 BBMP, Bangalore - 97

3rd Block 8th Cross Road	Cum	2	263.90	0.10	52.78		
Basic rate						512.00	
Area weightage 6%						30.72	
Total					420.14	542.72	228018.38
Sub Total						4895190.99	
Preperation of DPR And Project management Consultancy Charges(2% of estimated cost)						100000	
Miscellenious and rounding						4809	
TOTAL AMOUNT						5000000	
RUPEES FIFTY LAKHS ONLY							

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[Signature]
AE

[Signature]
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

[Signature]
Executive Engineer
Byatarayanapura Division
Yalahanka Zone, B.B.M.P.
Bangalore-560092

Technical Sanction
Accorded For *RS.50:00 lakhs only*
Head of A/C *P3158*
CER NO : *49* Dt: *29/01/18*

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TA *[Signature]* CE (YNK)

Sri ram shrayas	Sqm							
apartment, Telecom	Sqm	2	638.40	0.10				
6th cross road	Sqm	2	45.10	0.10		127.68		
7th cross road	Sqm	2	169.84	0.10		9.02		
8th cross road	Sqm	2	185.90	0.10		33.97		
10th cross road	Sqm	2	175.90	0.10		37.18		
unnamed Road	Sqm	2	49.50	0.10		35.18		
(ganesha Main Road	Sqm	2	24.64	0.10		9.90		
to dead end)								
unnamed Road	Sqm	2	28.05	0.10		5.61		
(ganesha Main Road								
to dead end)								
Basic rate								
Area weightage 6%						512.00		
Total						30.72		
						263.47	542.72	142988.27
Preparation of DPR And Project management Consultancy Charges(2% of estimated cost)							Sub Total	4406550.14
Miscellaneous and rounding								3450
TOTAL AMOUNT								4500000
RUPEES FORTY FIVE LAKHS ONLY								

CERTIFICATE:

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- 3) The provisions made in the estimate are necessary and minimum
- 4) The estimate is based on C.S.R of 2016-2017

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AE

[Signature]
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

[Signature]
Executive Engineer
Byatarayanapura Division
Yalahanka Zone, B.B.M.P.
Bangalore-580092

Technical Sanction
Assessed For RS 45,00,000/-
Head of A/C P3158
CER NO 50 Dt: 29/01/18
[Signature]
TA CE (YNIQ)

6	Thyristor based single/ Three phase smart street light control and monitoring system. Remotely control and and monitorable smart street light system by using web or mobile application. smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load ballancing.4.Low power regulation.5.Status tracking. It works on the basis of some of these features 1) Main Control Unit (Mother board) : Handles controlling, data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5) Embedded Firmware: Firmware to control, handle, process the data and communicate it wirelessly.6) Metal Enclosure : IP66 weather proof metal enclosure 7) Transformers: Customized step down transformers for various purposes.8) Wiring and other device assembly components. Approved Rate	22.00	51500.00	Each	1133000.00
7	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes:25 sqmm Long Barrel (Pg No. 64, Item No. 7.21.7)	55.00	20.59	Each	1132.45
				Sub Total	2935407.45
	Preparation of DPR And Project management Consultancy Charges(2% of estimated cost)				60000
	Miscellaneous and rounding				4593
	TOTAL AMOUNT				3000000
	RUPEES THIRTY LAKHS ONLY				

CERTIFICATE:

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- 4) The estimate is based on C.S.R of 2016-2017, KPWD (Ele)

[Signature]

[Signature]
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

[Signature]

Executive Engineer
Byataranyapura Division
Yalahanka Zone, B.B.M.P.
Bangalore-53002

Technical Sanction
Accorded For Rs. 30,00,000/-
Head of A/C: P.3158
CER NO: 52
DU: 29/01/18

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CE (YNS)

2nd main 6A cross road	Sqm	2	111.65	0.10	22.33		
Basic rate						512.00	
Area weightage 6%						30.72	
Total					355.53	542.72	192953.24
Preparation of DPR And Project management Consultancy Charges(2% of estimated cost)							4891034.45
Sub Total							1000000
Miscellaneous and rounding							8966
TOTAL AMOUNT							5000000
RUPEES FIFTY LAKHS ONLY							

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[Signature]
AE

[Signature]
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

[Signature]
Executive Engineer
Byataranyapura Division
Yalahanka Zone, B.B.M.P.
Bangalore-560092

Technical Sanction
Accorded For Rs.50:22 lakhs only
Head of A/C P3158..... 29/01/18
CER NO : 53..... Dt: 29/01/18

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